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### NOTICE OF ALLOWANCE AND FEE(S) DUE

7278

7590

09/29/2009

DARBY & DARBY P.C. P.O. BOX 770 Church Street Station New York, NY 10008-0770

EXAMINER SHEEHAN, JOHN P ART UNIT PAPER NUMBER

1793

DATE MAILED: 09/29/2009

ĺ	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
•	10/595,595	04/19/2007	Masahisa Miyahara	20154/0204315-US0	3201

TITLE OF INVENTION: METHOD FOR PRODUCING COMPOSITE SOFT MAGNETIC MATERIAL HAVING HIGH STRENGTH AND HIGH

SPECIFIC RESISTANCE

	APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
•	nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/29/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:** 

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

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SHEEHAN	I, JOHN P	1793	148-104000					
FR 1.363).  Change of correspond of correspo		Indication form ed. Use of a Customer	(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
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a. Applicant claims	t <b>us</b> (from status indicated s SMALL ENTITY statu	s. See 37 CFR 1.27.	b. Applicant is no long					
OTE: The Issue Fee and terest as shown by the r	d Publication Fee (if requeecords of the United Stat	iired) will not be accepted tes Patent and Trademark	d from anyone other than the Office.	he applicant; a regis	tered a	ttorney or agent; or the	e assignee or other party	in
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APPLICATION NO.	FILING DAT	FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/595,595	04/19/200	)7	Masahisa Miyahara	20154/0204315-US0	3201
7278	7590 09/	1/29/2009		EXAM	IINER
DARBY & DARBY P.C.				SHEEHAI	N, JOHN P
P.O. BOX 770				ART UNIT	PAPER NUMBER
Church Street Station New York, NY 10008-0770				1793 DATE MAILED: 09/29/200	9

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 467 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 467 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	10/595,595	MIYAHARA ET AL.
Notice of Allowability	Examiner	Art Unit
	John P. Sheehan	1793
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is selected and MPEP 1308.	n this application. If not included unication will be mailed in due course. <b>THIS</b>
1. This communication is responsive to the applicants' submi	ission dated April 28, 2006 .	
2. The allowed claim(s) is/are <u>1-20</u> .		
<ol> <li>Acknowledgment is made of a claim for foreign priority unally All b) ☐ Some* c) ☐ None of the:</li> <li>Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ol>	e been received. e been received in Applicatio	on No
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give</li> </ol>		
<ul> <li>5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date</li> <li>(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the deponsion of the deponsio</li></ul>	son's Patent Drawing Review s Amendment / Comment or .84(c)) should be written on the the header according to 37 CF esit of BIOLOGICAL MATI	in the Office action of the drawings in the front (not the back) of R 1.121(d). ERIAL must be submitted. Note the
Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material  /John P. Sheehan/ Primary Examiner, Art Unit 1793	6. ☐ Interview S Paper No./ 7. ☐ Examiner's	formal Patent Application  ummary (PTO-413),  Mail Date Amendment/Comment  Statement of Reasons for Allowance

#### **REASONS FOR ALLOWANCE**

1. The following is an examiner's statement of reasons for allowance: None of the references alone or in combination teach or suggest a method of producing a composite soft magnetic material comprising the steps of:

heating at a temperature of 60 to 110 °C powder mixture comprising

0.05 to 1 wt% of polyimide resin powder having an average particle diameter of 1 to 100  $\mu m_{\star}$ 

0.002 to 1 wt% of fine amide-based wax powder having an average particle diameter of 1 to 20  $\mu m$ , and

the balance composed of insulating film-coated soft magnetic powder obtained by forming an insulating film on the surface of soft magnetic powder,

filling the heated mixture powder in a mold which is heated at a temperature of 100 to 150°C;

compression-molding the heated mixture powder at a molding pressure of 700 to 1200 MPa to obtain a compact; and

curing the obtained compact at a temperature of 225 to 300 °C.

Nor do the prior art references teach or suggest the improved strength and specific resistance of the resulting composite soft magnetic material as demonstrated by the

data set forth in Tables 2 and 3 of the specification resulting from these process steps and the specific process operating conditions set forth above and recited in the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## **Priority**

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

# Specification

The Examiner acknowledges receipt of the substitute specification filed April 28,
 The Examiner has approved the substitute specification for entry.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John P. Sheehan whose telephone number is (571) 272-1249. The examiner can normally be reached on T-F (7:30-5:00) Second Monday Off.

Art Unit: 1793

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King can be reached on (571) 272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/John P. Sheehan/ Primary Examiner Art Unit 1793

**JPS**